

## Message

**From:** Berkoff, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=F347C01A92D7424FA840C24F6B7FBF6B-MBERKOFF]  
**Sent:** 2/23/2016 9:58:58 PM  
**To:** Anne Lerums [anne@biopathsolutions.com]  
**Subject:** RE: Allied Landfill Request to begin Treatability

Please provide me with BioPath's mailing address.

**From:** Anne Lerums [mailto:anne@biopathsolutions.com]  
**Sent:** Wednesday, February 03, 2016 8:03 PM  
**To:** Berkoff, Michael <berkoff.michael@epa.gov>  
**Cc:** Russell, Diane <russell.diane@epa.gov>; Mick Warner <mick@biopathsolutions.com>; Chris Young <chris@biopathsolutions.com>  
**Subject:** Re: Allied Landfill Request to begin Treatability

Good evening, Michael,

Thank you for following up. Attached are 3 of the 4 documents that we sent by .zip file on January 5th. The 4th document is hyperlinked below due to size.

The first two documents are Baseline and 10-Week data from samples from the Housatonic river. We have also attached the email from EPA Region 1 Susan Svirsky (now retired) directing BTR to recommended sample locations. A draft QAPP was submitted in 2014 to Susan Svirsky and was resubmitted to Dean Tagliaferro upon learning that Susan Svirsky had retired.

The third document "Phase II Environmental Site Assessment..." is associated with a successful PCB cleanup in California. The Closure Report is too large to attach so we have hyperlinked [here](#). All work performed on this project was done under regulatory oversight of the San Francisco Bay Regional Water Quality Control Board. Additional information about this project, including regulatory oversight contact information can be found on this California State Water Resources Control Board [Geotracker website](#).

We are still arranging analytical data from other completed sites, both bench-scale and full-scale applications. Some applications date back to 1993 and were for remediation of Petroleum Hydrocarbon sites. More recent applications pertained to PCBs, Dioxins, and persistent pesticides. We will continue to send data.

We look forward to meeting with you in March.

On Tue, Jan 26, 2016 at 11:07 AM, Berkoff, Michael <[berkoff.michael@epa.gov](mailto:berkoff.michael@epa.gov)> wrote:

Anne,

I have not yet received your response to my previous email (included below). Please respond and let me know if and when you will be providing the information that I have requested.

Thank you,

Michael

**From:** Berkoff, Michael  
**Sent:** Thursday, January 07, 2016 7:46 AM  
**To:** 'Anne Lerums' <[anne@biopathsolutions.com](mailto:anne@biopathsolutions.com)>; Russell, Diane <[russell.diane@epa.gov](mailto:russell.diane@epa.gov)>  
**Cc:** Mick Warner <[mick@biopathsolutions.com](mailto:mick@biopathsolutions.com)>; Chris Young <[chris@biopathsolutions.com](mailto:chris@biopathsolutions.com)>  
**Subject:** RE: Allied Landfill Request to begin Treatability

Anne,

What are the sizes of the PDF documents? I can receive documents up to 30 MB. Maybe you could send them individually. Also, looking at the titles of the documents, it does not readily look like they would include your methodologies and any quality assurance plans. Please also provide those documents.

Thank you,

Michael

**From:** Anne Lerums [<mailto:anne@biopathsolutions.com>]  
**Sent:** Tuesday, January 05, 2016 6:26 PM  
**To:** Berkoff, Michael <[berkoff.michael@epa.gov](mailto:berkoff.michael@epa.gov)>; Russell, Diane <[russell.diane@epa.gov](mailto:russell.diane@epa.gov)>  
**Cc:** Mick Warner <[mick@biopathsolutions.com](mailto:mick@biopathsolutions.com)>; Chris Young <[chris@biopathsolutions.com](mailto:chris@biopathsolutions.com)>  
**Subject:** Re: Allied Landfill Request to begin Treatability

Good evening, Michael,

Thank you again for your follow-up. We are very pleased to be working with you and Diane to perform a treatability study. Attached is a .zip folder that includes files related to two PCB projects for which we have or do not need the clients' permission to share information.

Within the Swenson files:

- Phase II: The analytical data is summarized starting on page 22 of the PDF. Full analytical data begins on Page 58.
- Closure Report: The full analytical data begins on page 126 of the PDF.

Further information for the Swenson project (including reference contact information) can be found on the State of California's Geotracker website [here](#).

All our best -

On Mon, Jan 4, 2016 at 2:30 PM, Chris Young <[chris@biopathsolutions.com](mailto:chris@biopathsolutions.com)> wrote:

Good Afternoon Michael and Happy New Year to you as well.

Apologies for not having responded to your email earlier. I was down with bronchitis just before the holidays and everything just seemed to stack up. I appreciate your patience while we assemble the information that I'm confident will address your questions or concerns relative to the efficacy of BioBlend products to dechlorinate the most persistent organic chemical pollutants including PCBs.

BioPath's team is working now to assemble the data pack and we anticipate having it to you before the end of the week.

Very Best Regards,

Chris Young | Chief Technical Consultant  
BioPath Solutions | Rethinking remediation from the ground up.™

☎ (646) 201-5400 x 205 | 📠 (704) 519-6905 | [www.biopathsolutions.com](http://www.biopathsolutions.com)

---

**From:** Berkoff, Michael [<mailto:berkoff.michael@epa.gov>]

**Sent:** Monday, January 4, 2016 10:28 AM

**To:** Chris Young <[chris@biopathsolutions.com](mailto:chris@biopathsolutions.com)>

**Cc:** Russell, Diane <[russell.diane@epa.gov](mailto:russell.diane@epa.gov)>; Mick Warner <[mick@biopathsolutions.com](mailto:mick@biopathsolutions.com)>; Anne Lerums <[anne@biopathsolutions.com](mailto:anne@biopathsolutions.com)>

**Subject:** RE: Allied Landfill Request to begin Treatability

Chris,

Happy New Year. I am writing to follow up on my December 18, 2015 email to you. In that email, I requested that you provide EPA with "specific detailed information on these sites, including any data collected as a part of the project, specific analysis, results or reports, and the contact information of any government individuals of that worked with and your company those projects." You have not yet responded to my email. If these emails are reaching you, please confirm your receipt. In your response to this email, please also indicate whether you intend to provide me with the

above described information on your previous projects. If you do intend to provide that information, when would you be doing so? If you do not intend to provide the requested information, please explain why you do not wish to do so.

EPA would very much like to evaluate BioPath's technology, and BioPath providing the information I requested is the first step in that process.

Thank you,

Michael

---

**From:** Berkoff, Michael  
**Sent:** Friday, December 18, 2015 12:28 PM  
**To:** 'Chris Young' <[chris@biopathsolutions.com](mailto:chris@biopathsolutions.com)>  
**Cc:** Russell, Diane <[russell.diane@epa.gov](mailto:russell.diane@epa.gov)>; Mick Warner <[mick@biopathsolutions.com](mailto:mick@biopathsolutions.com)>; Anne Lerums <[anne@biopathsolutions.com](mailto:anne@biopathsolutions.com)>  
**Subject:** RE: Allied Landfill Request to begin Treatability

Chris,

Thank you again for your interest in performing a bench-scale study of BioPath's "Factor" technology with waste from Allied Landfill. I am in the process of working with EPA's treatment technology experts on pulling together guidance that should aide you in developing the scope of work for your proposed study. In order that any bench-scale study be used in EPA decision-making, such study would need to be approved by EPA prior to implementation.

At this time, I would like to learn more about the BioPath Factor technology. At various public meetings, you have stated that the BioPath Factor has been successfully used at 33 sites across the country. Please provide me the specific detailed information on these sites, including any data collected as a part of the project, specific analysis, results or reports, and the contact information of any government individuals of that worked with and your company those projects.

Thank you,

Michael

**From:** Chris Young [<mailto:chris@biopathsolutions.com>]  
**Sent:** Thursday, November 19, 2015 1:25 PM  
**To:** Berkoff, Michael <[berkoff.michael@epa.gov](mailto:berkoff.michael@epa.gov)>  
**Cc:** Russell, Diane <[russell.diane@epa.gov](mailto:russell.diane@epa.gov)>; Mick Warner <[mick@biopathsolutions.com](mailto:mick@biopathsolutions.com)>; Anne Lerums <[anne@biopathsolutions.com](mailto:anne@biopathsolutions.com)>  
**Subject:** Allied Landfill Request to begin Treatability

Good afternoon, Mr. Berkoff,

I am Chris Young, Chief Technology Consultant at BioPath Solutions. Mick Warner has let me know that, at the October 21st Environmental Concerns Committee meeting and at the October 22<sup>nd</sup> EPA-hosted public meeting, you and he discussed the option for BioPath Solutions to perform a treatability study with samples from the Allied Paper Landfill Site. We are happy to begin that study as soon as possible. As you discussed with Mick, we will ask the EPA to sign a Non-Disclosure Agreement so that we may share proprietary information about our enzymatic dechlorination process through enhanced bioremediation.

Please let us know what information the EPA needs from us to begin the treatability study.

Best regards,

Chris Young

--

Chris Young | Chief Technical Consultant

**BioPath Solutions**

o: (646) 201-5400 Ext. 205

m: (704) 519-6905

[chris@biopathsolutions.com](mailto:chris@biopathsolutions.com)

[www.biopathsolutions.com](http://www.biopathsolutions.com)

**Confidentiality Notice:**

This message is intended only for the person or entity to which it is addressed. It may contain confidential and/or privileged material. Any review, transmission, dissemination or other use, or taking of any action in reliance upon this message by persons or entities other than the intended recipient is prohibited and may be unlawful. If you received this message in error, please contact the sender and delete this message from your system. Nothing in this message is intended to constitute an electronic signature unless a specific statement to the contrary is included in this message.

**Confidentiality Notice:**

This message is intended only for the person or entity to which it is addressed. It may contain confidential and/or privileged material. Any review, transmission, dissemination or other use, or taking of any action in reliance upon this message by persons or entities other than the intended recipient is prohibited and may be unlawful. If you received this message in error, please contact the sender and delete this message from your system. Nothing in this message is intended to constitute an electronic signature unless a specific statement to the contrary is included in this message.

--

Anne Lerums | Vice President of Business Development  
BioPath Solutions | Rethinking remediation from the ground up.™

☎ (646) 201-5400 x 203 | M (317) 695-9874 | [www.biopathsolutions.com](http://www.biopathsolutions.com)

**Confidentiality Notice:**

This message is intended only for the person or entity to which it is addressed. It may contain confidential and/or privileged material. Any review, transmission, dissemination or other use, or taking of any action in reliance upon this message by persons or entities other than the intended recipient is prohibited and may be unlawful. If you received this message in error, please contact the sender and delete this message from your system. Nothing in this message is intended to constitute an electronic signature unless a specific statement to the contrary is included in this message.

--

Anne Lerums | Vice President of Business Development  
BioPath Solutions | Rethinking remediation from the ground up.™  
☎ (646) 201-5400 x 203 | M (317) 695-9874 | [www.biopathsolutions.com](http://www.biopathsolutions.com)

**Confidentiality Notice:**

This message is intended only for the person or entity to which it is addressed. It may contain confidential and/or privileged material. Any review, transmission, dissemination or other use, or taking of any action in reliance upon this message by persons or entities other than the intended recipient is prohibited and may be unlawful. If you received this message in error, please contact

the sender and delete this message from your system. Nothing in this message is intended to constitute an electronic signature unless a specific statement to the contrary is included in this message.